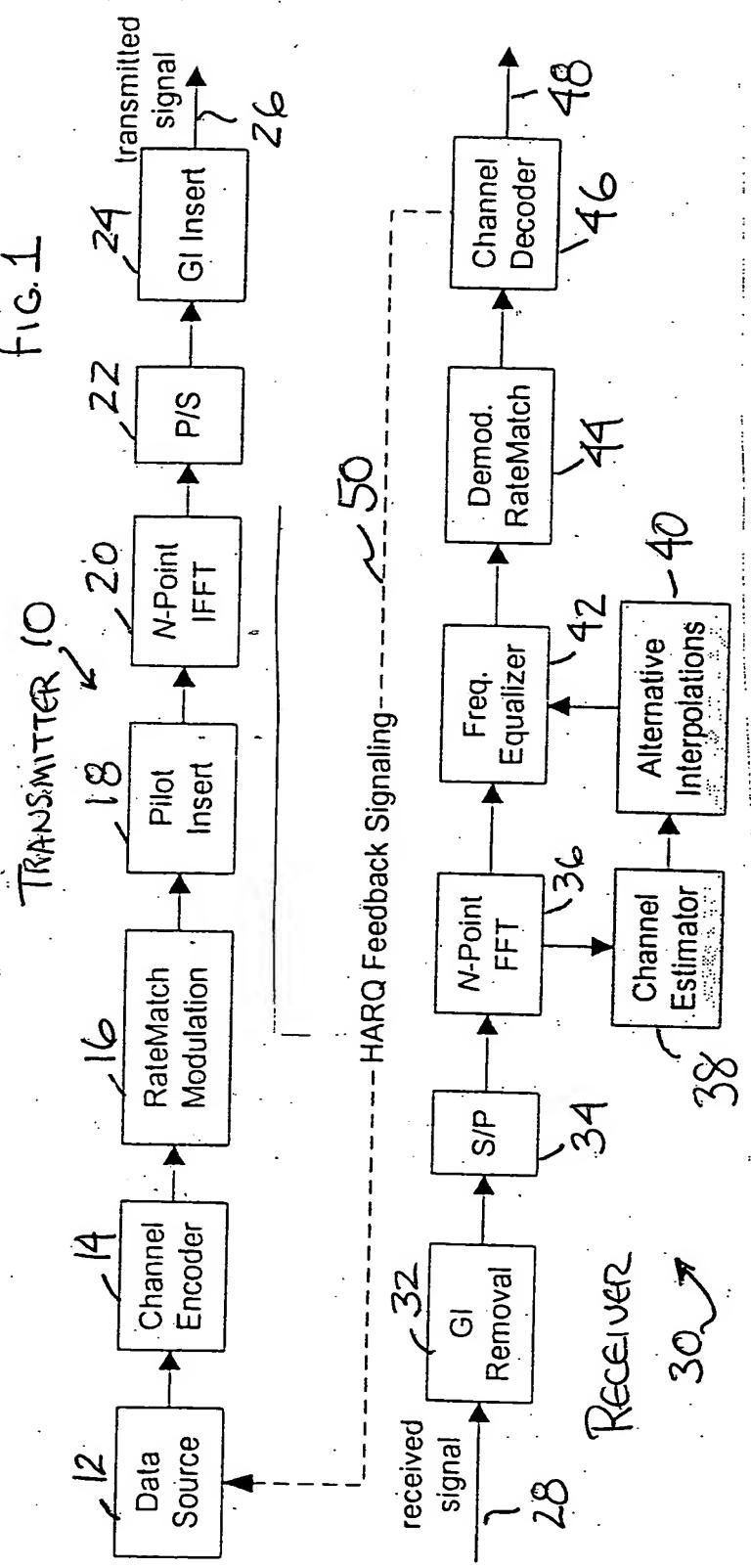
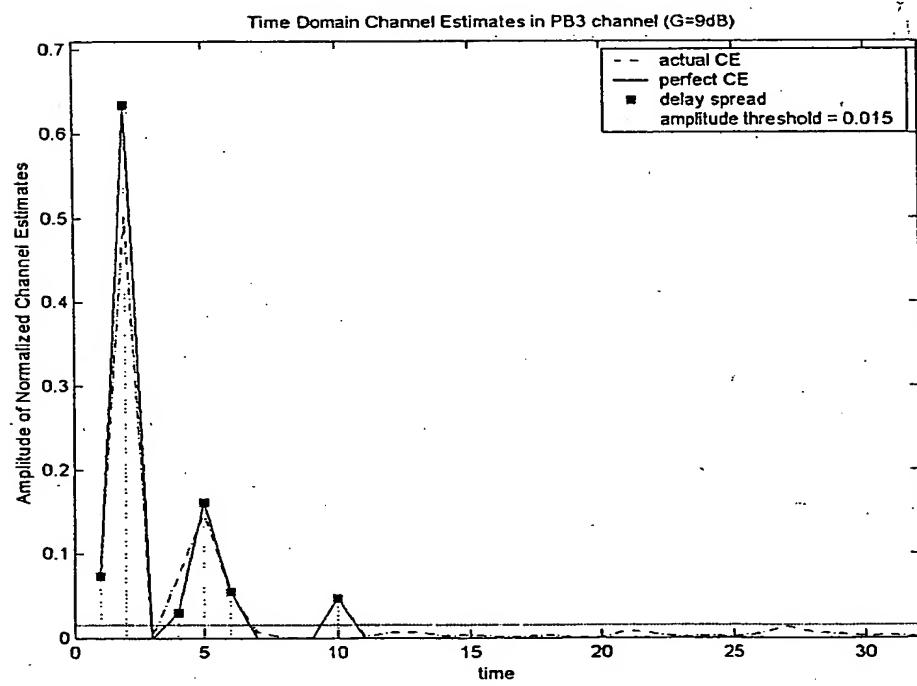
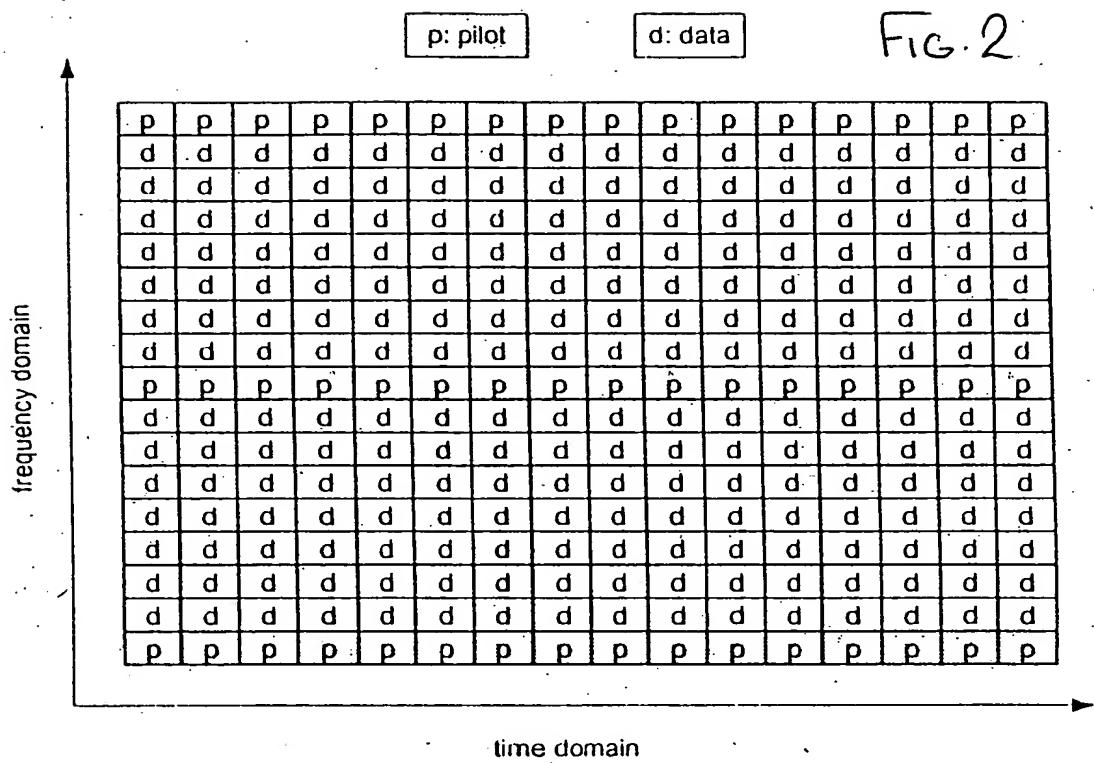


FIG.1





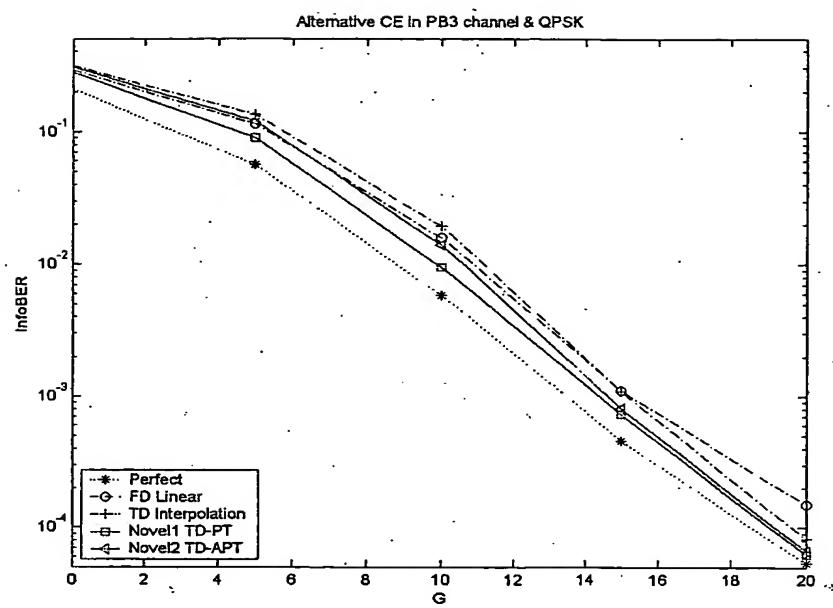


FIG. 4A

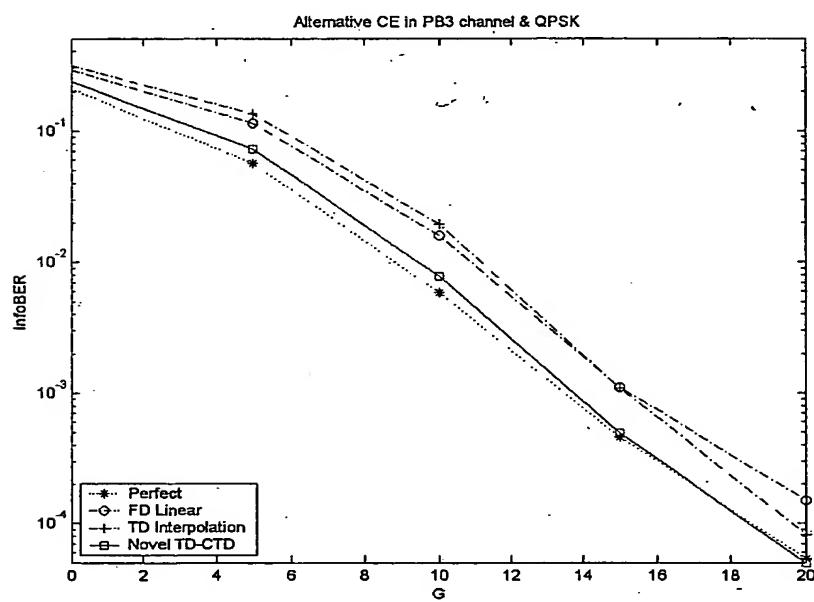


FIG. 4B

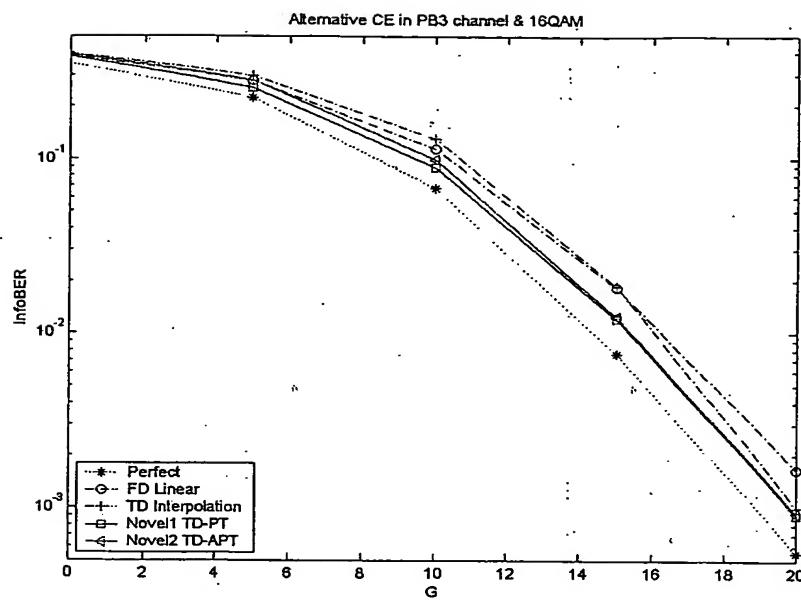


Fig. SA

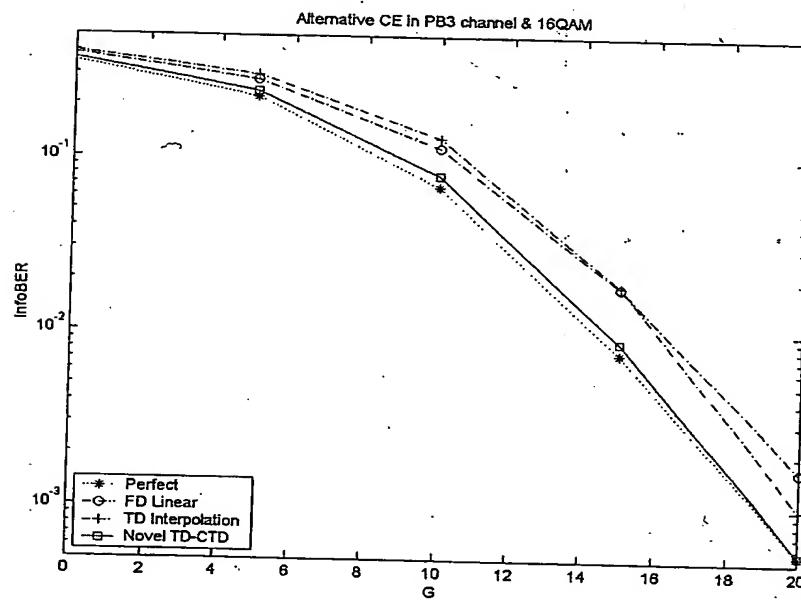


Fig. SB

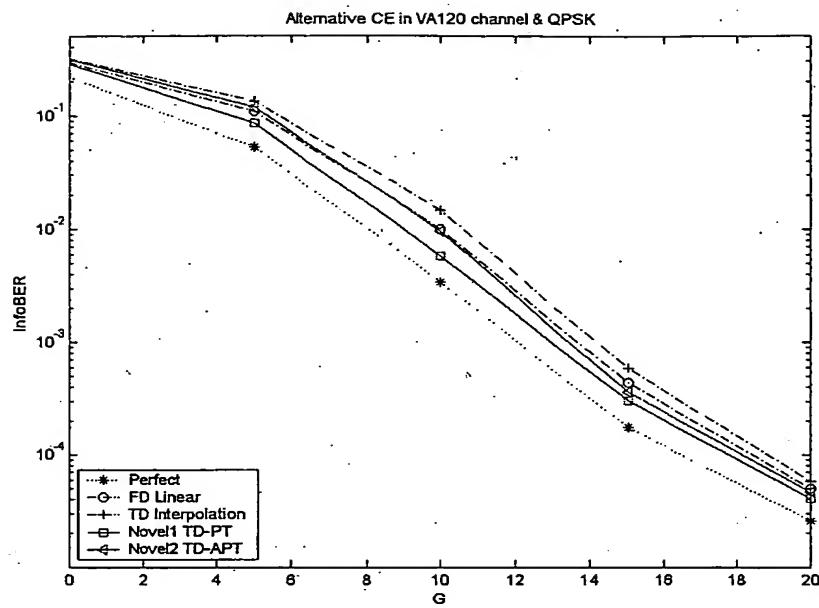


FIG. 6A

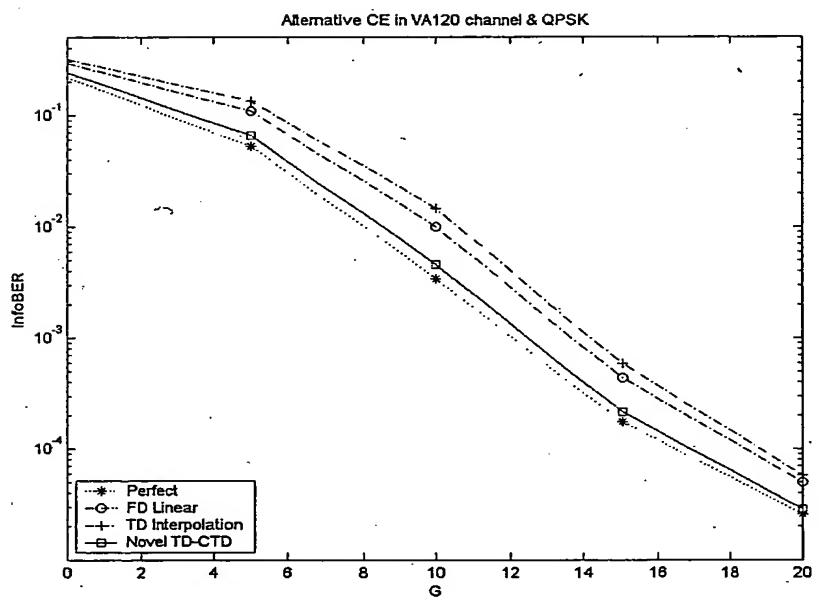


FIG. 6B

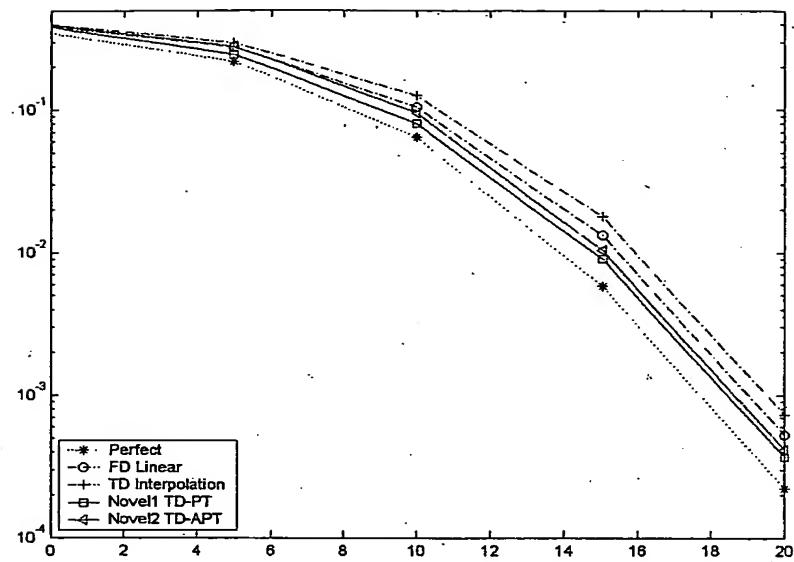


FIG. 7A

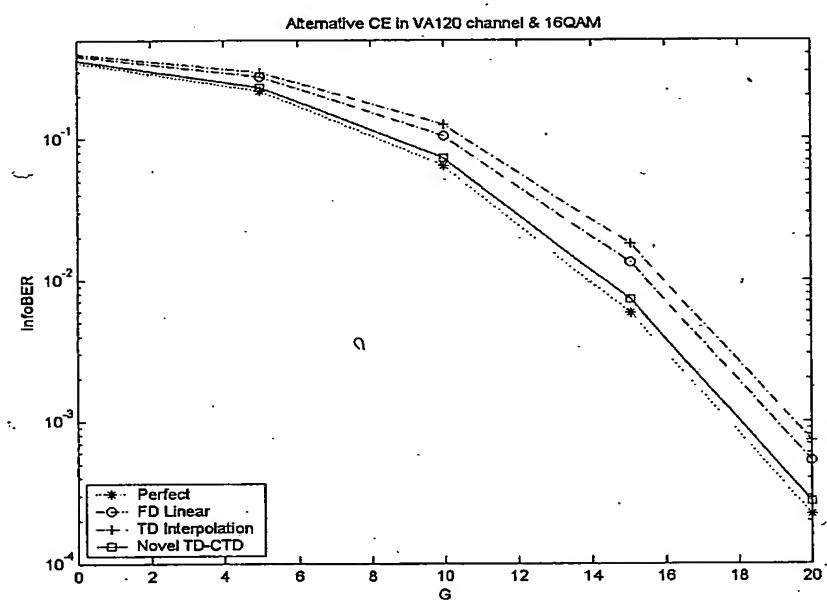


FIG. 7B

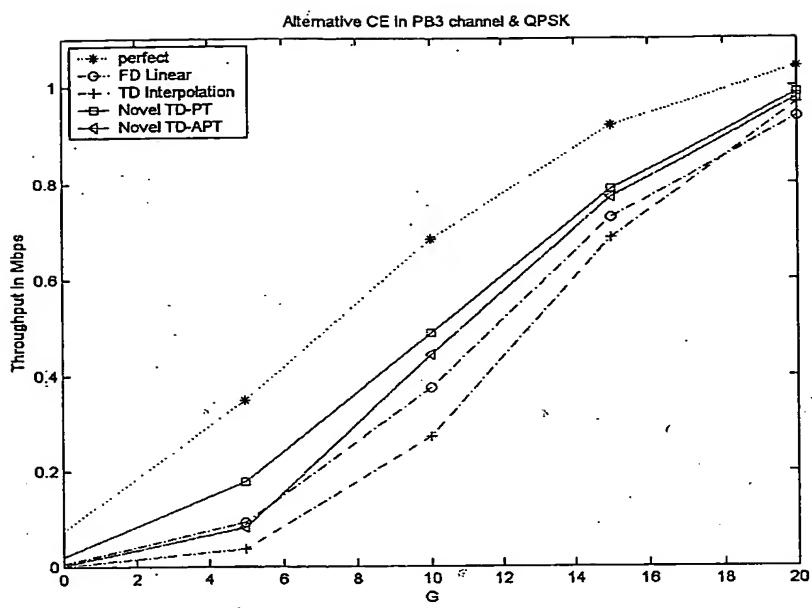


FIG. 8A

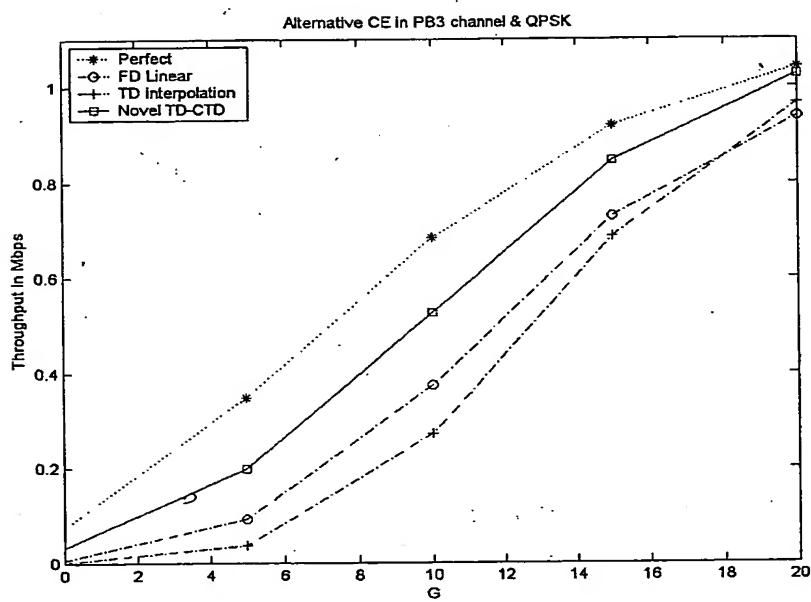


FIG. 8B

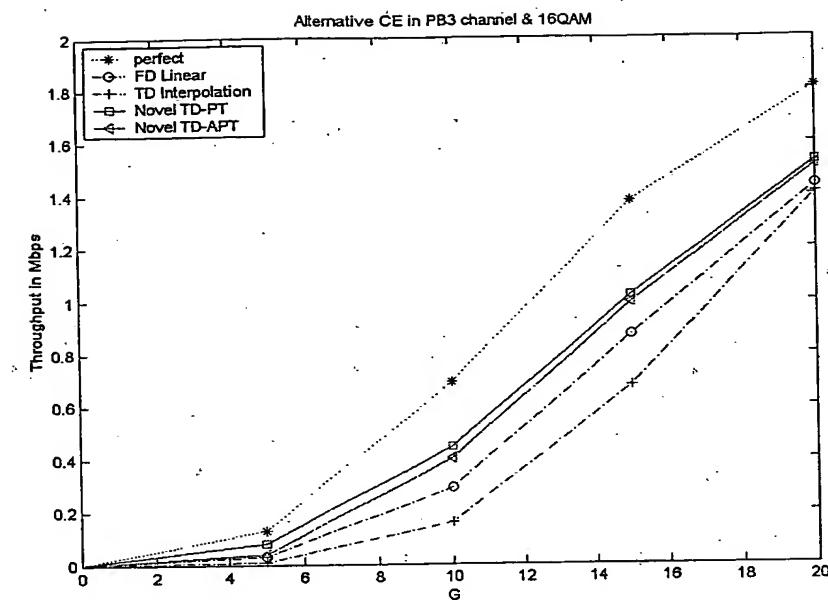


FIG. 9A

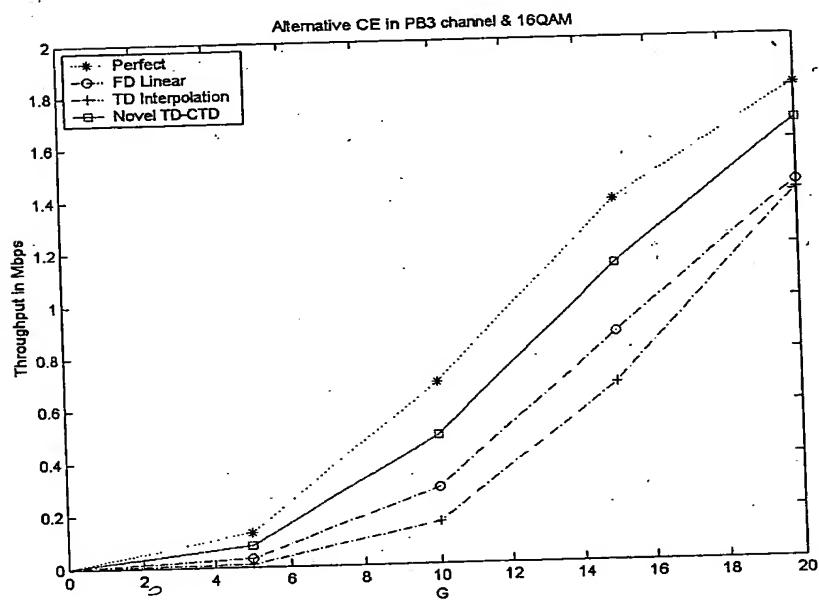


FIG. 9B

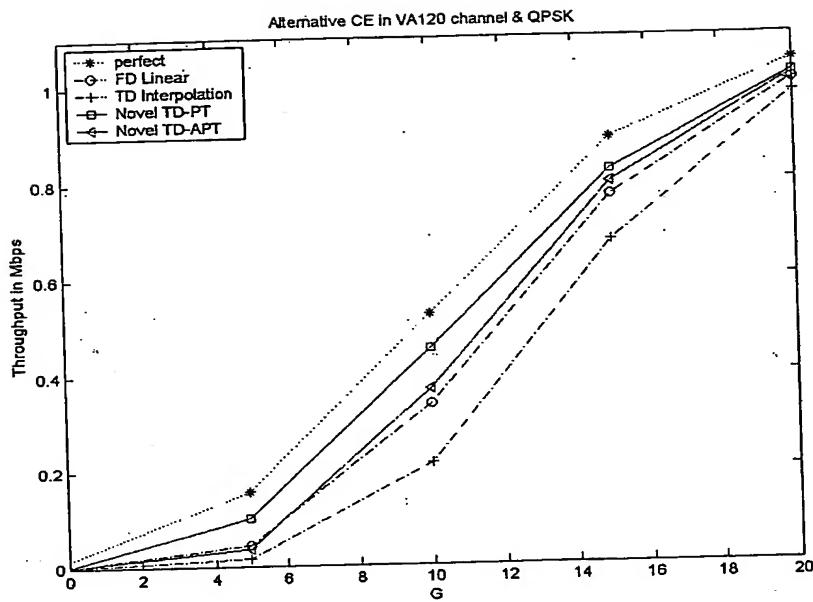


Fig. 10A

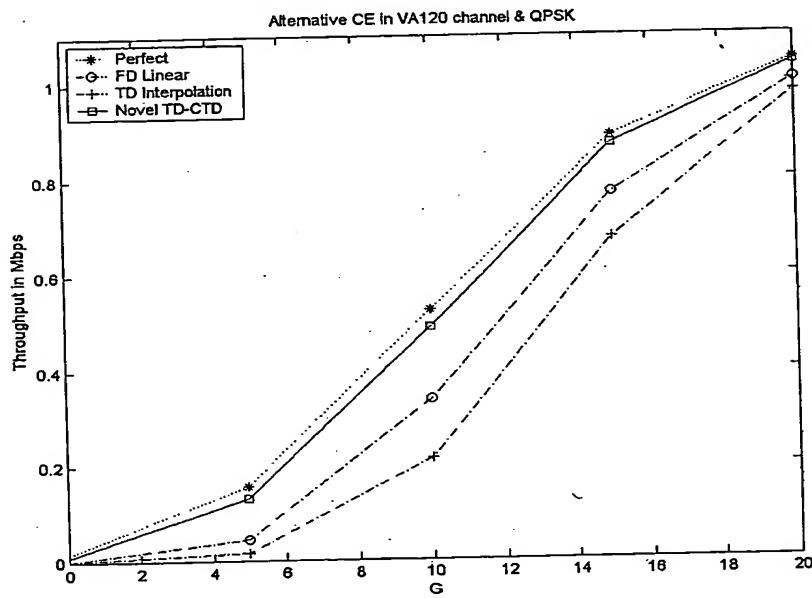


Fig. 10B

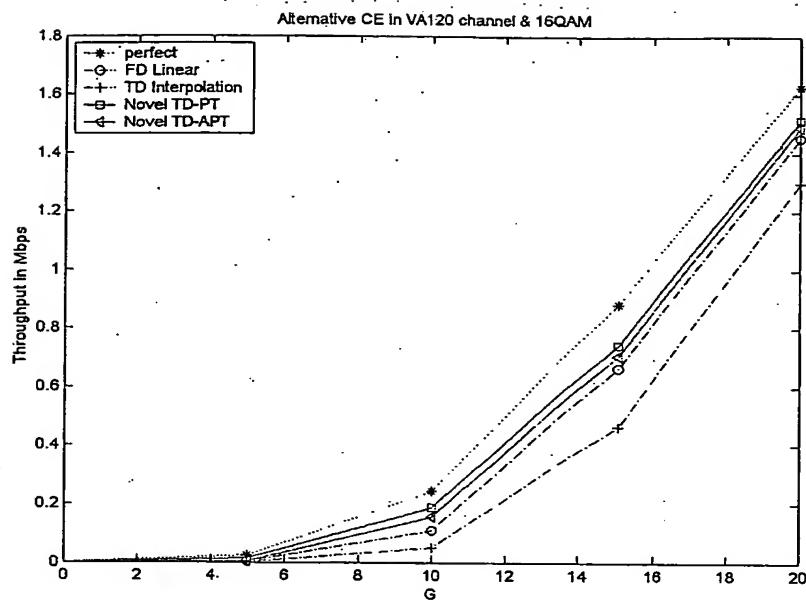


FIG. II A

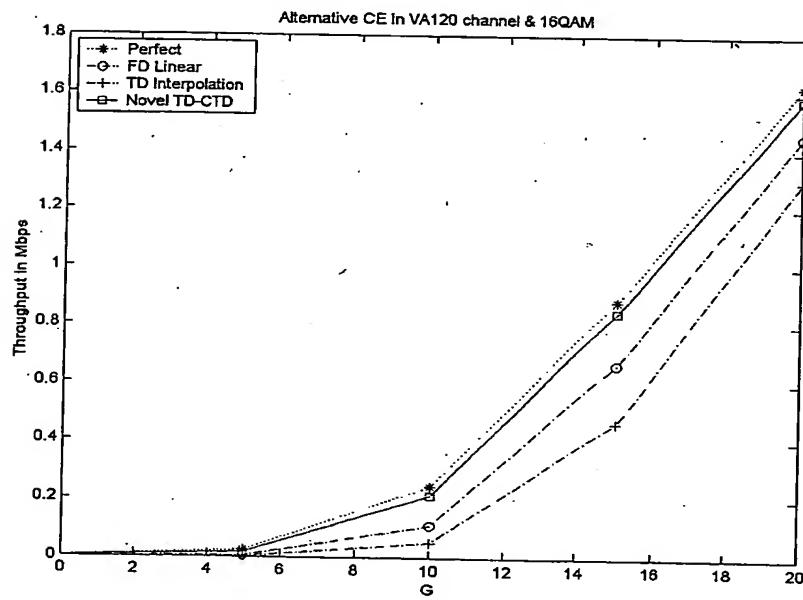


FIG. II B

TABLE 2

FIG. 12

	PB3		VA120	
	QPSK	16QAM	QPSK	16QAM
TD-PT	0.5 dB	1.0 dB	1.4 dB	1.0 dB
TD-APT	1.5 dB	1.0 dB	0.0 dB	0.5 dB
TD-DS	2.2 dB	1.2 dB	2.0 dB	1.5 dB

TABLE 3

FIG. 13

	PB3		VA120	
	QPSK	16QAM	QPSK	16QAM
TD-PT	30.7%	53.0%	34.2%	70.8%
TD-AT	18.4%	38.3%	9.6%	41.0%
TD-DS	40.9%	68.1%	45.1%	92.0%